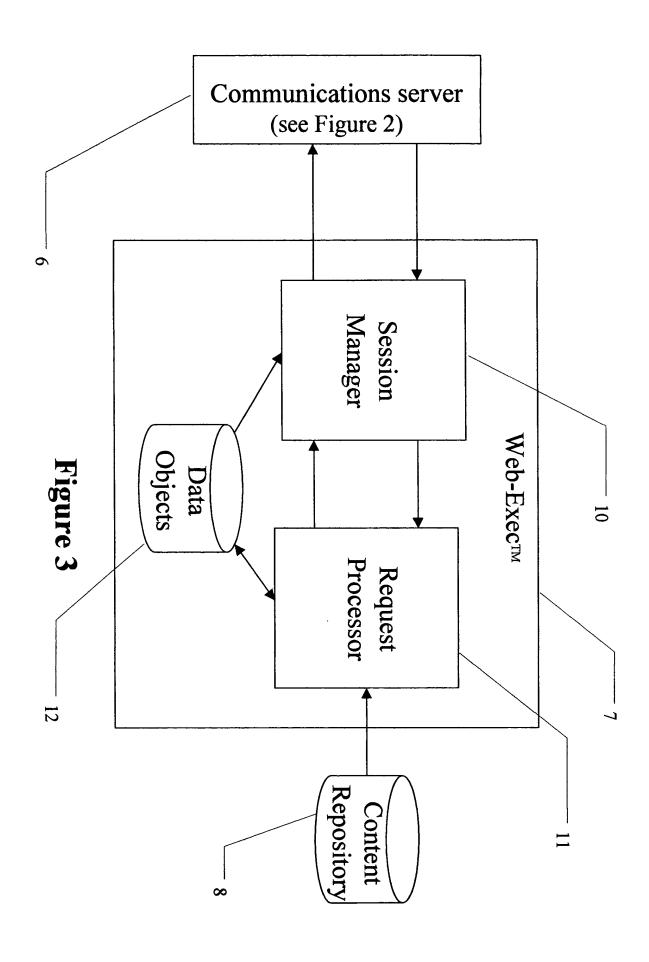
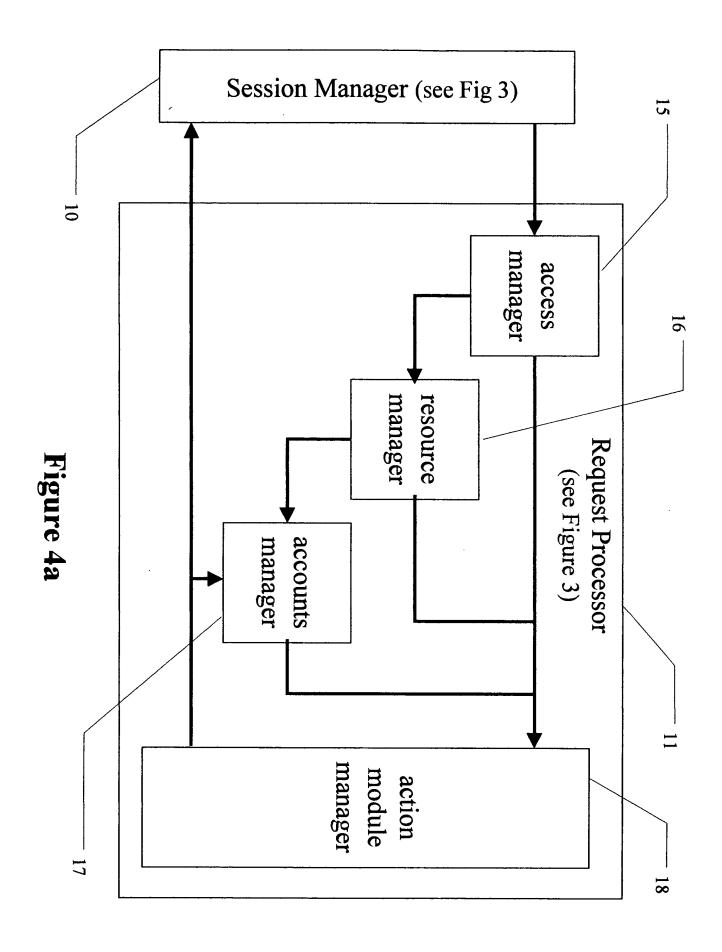
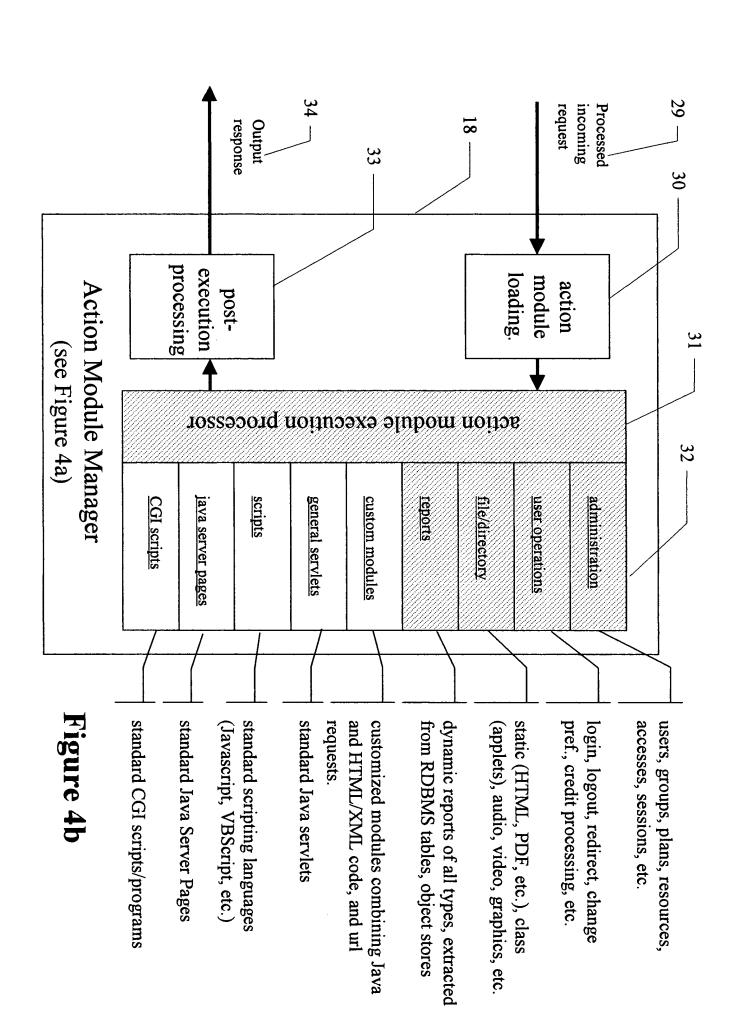


Figure 2







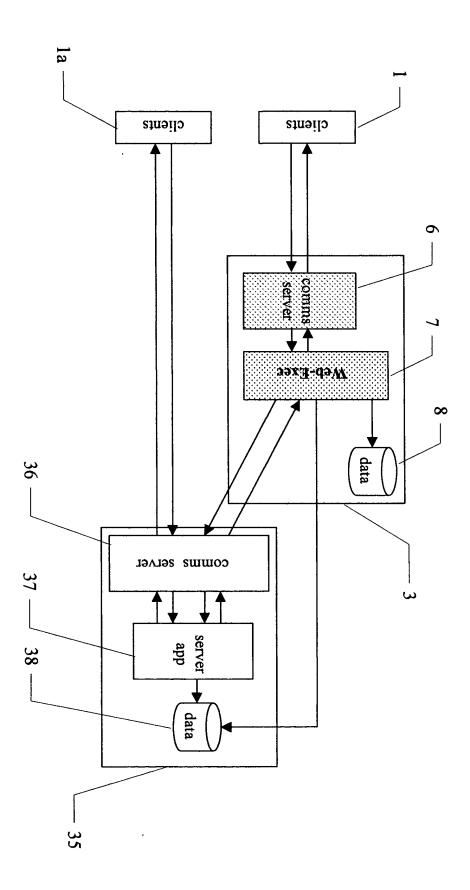
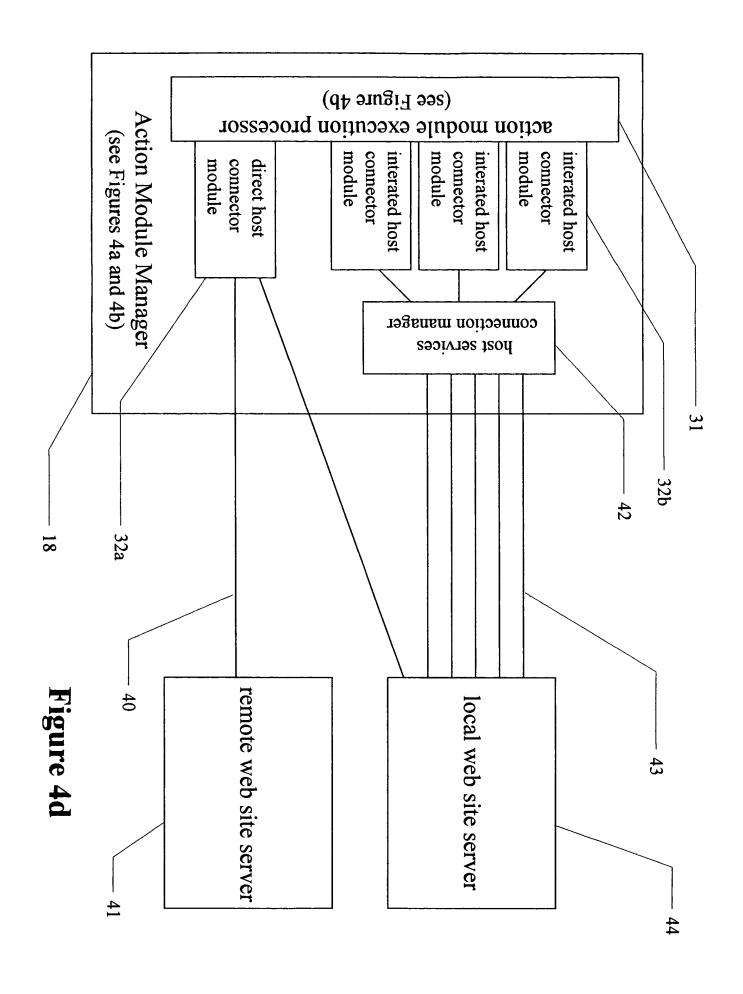
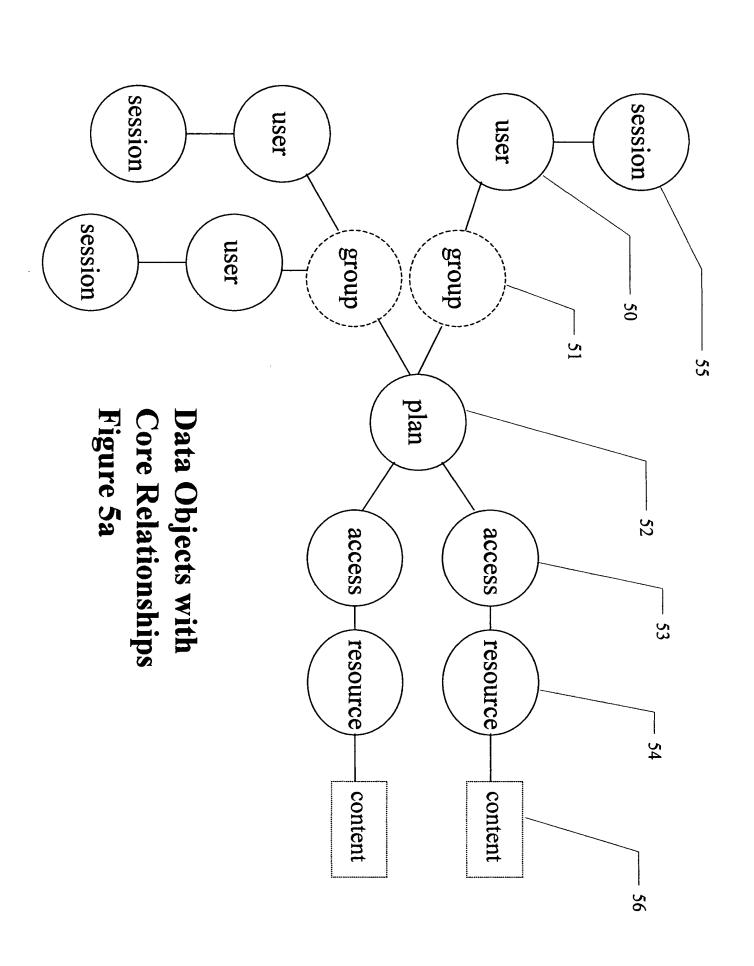
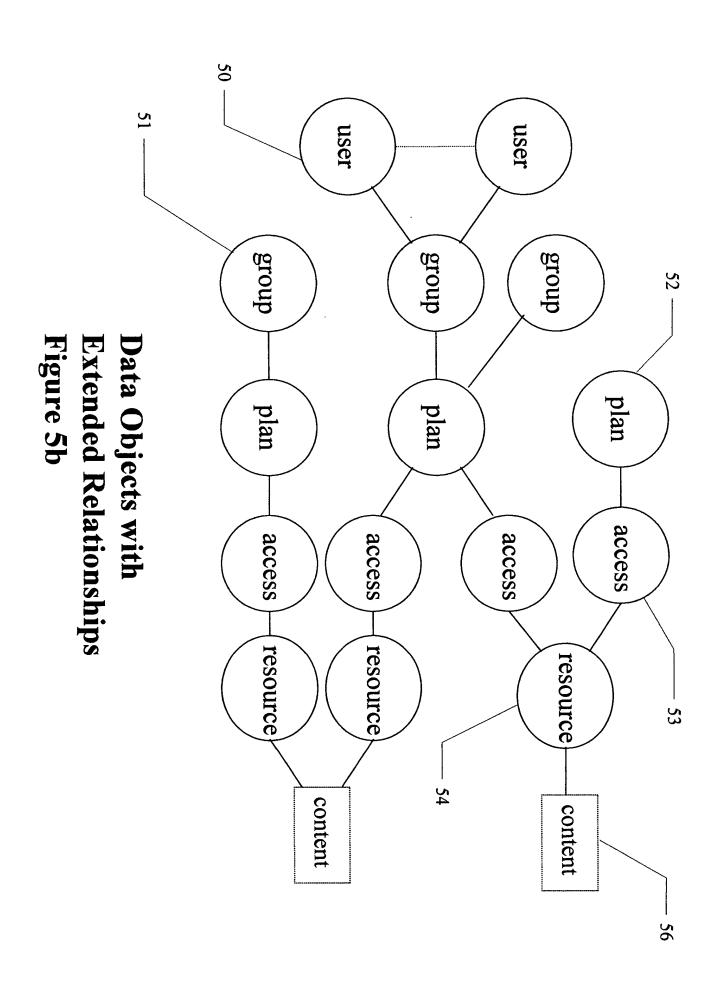


Figure 4c

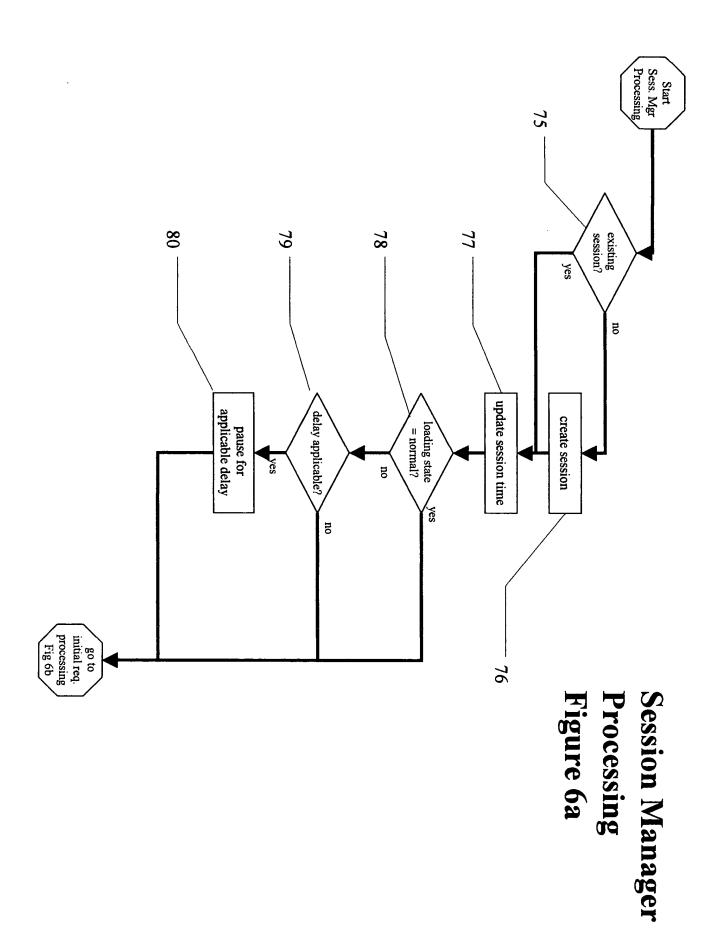


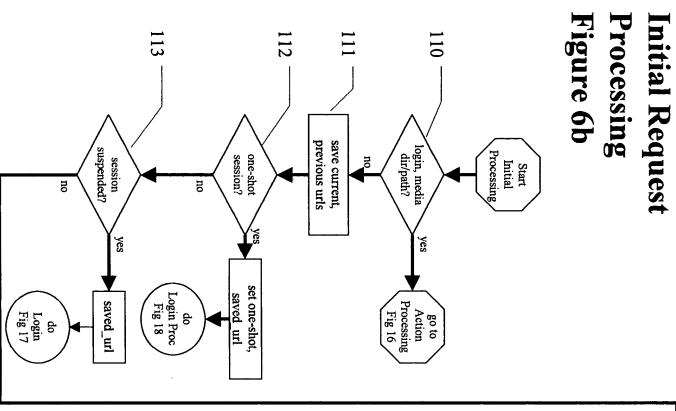


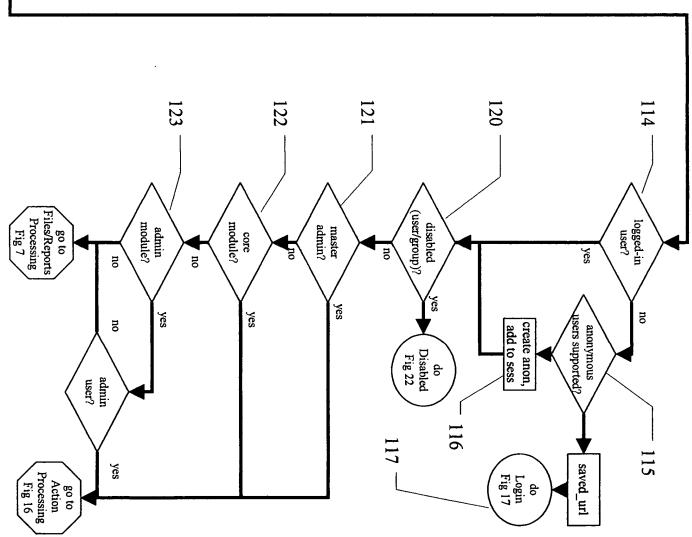


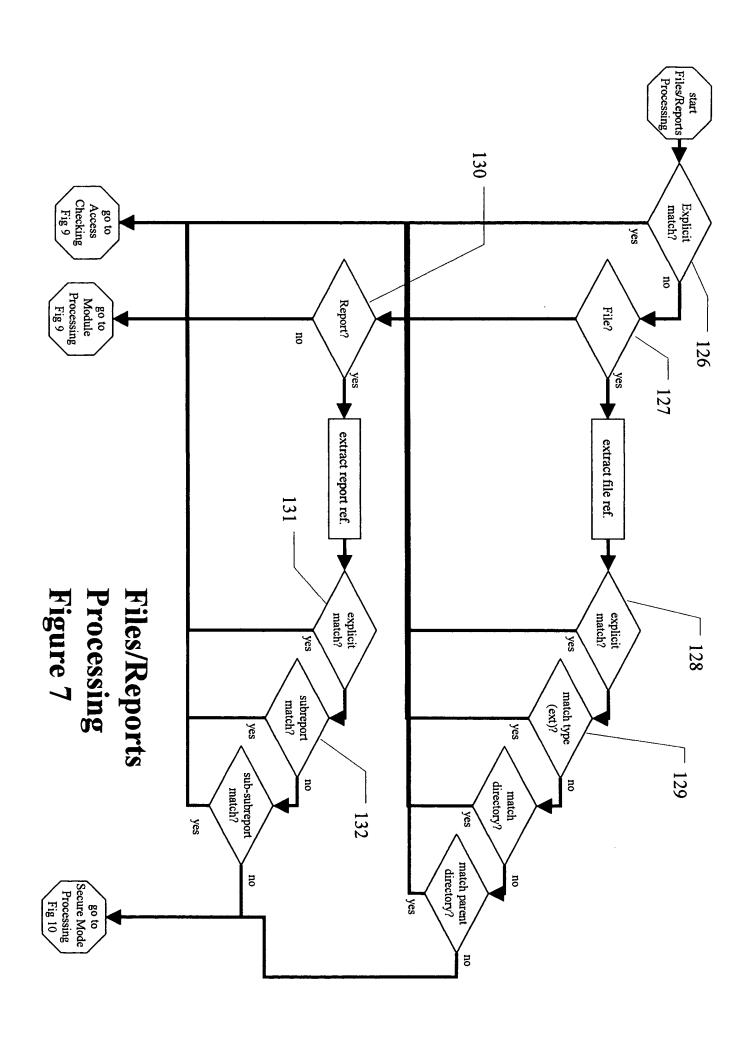
resu	group	plan	access	resource	session
user_name	group_name	plan_name	plan	resource name	session_id
password	plan	base_discount	resource	description	user
expiration_date	credit_limit	use_credit_flag	access_flag	location	plan
group	max_user_credit	secure_mode		credits	current_url
account_balance	credit balance	volume_discount		price	previous_url
credit_balance	payment amount	volume_level		suppress_duplicates	visited_urls
disabled flag	payment interval			summary	purchases
credit account update	next_payment_due			keywords	credits
administrator_level	grace_period			alias	temp_account
confirm	account_balance				balance
confirm_total	max_user_balance				verify_purchase
confirm_sess_trigger	group_manager				verify_credit
confirm_threshold	discount				last_visited
activation_code	disable				max_idle
activation_code_expire	grouptype				max_life
pwd_chg_allowed					max_expire
concurrent_limit					
concurrent_number					
concurrent_charge					
concurrent_action					
last_login					
email					
credit_limit					

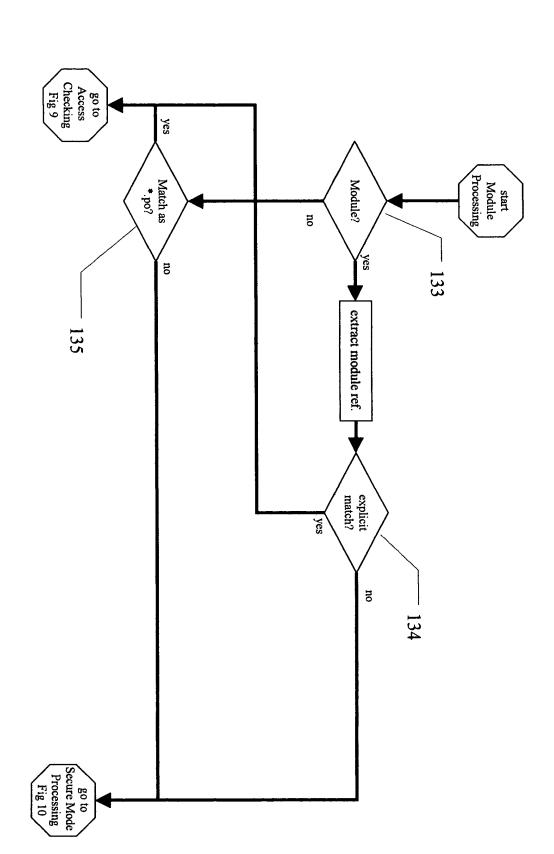
# Key properties of Data Objects Figure 5c



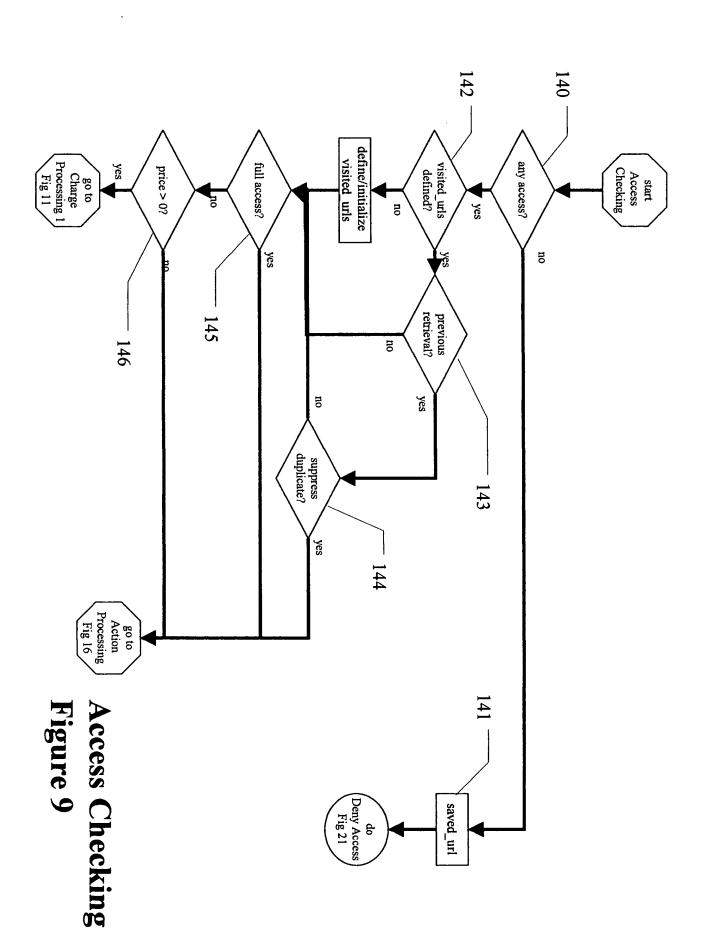


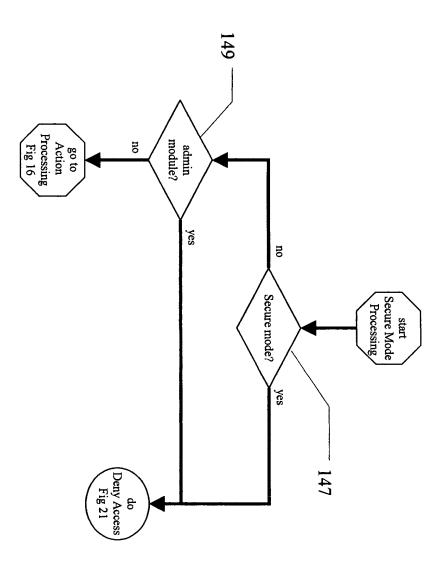




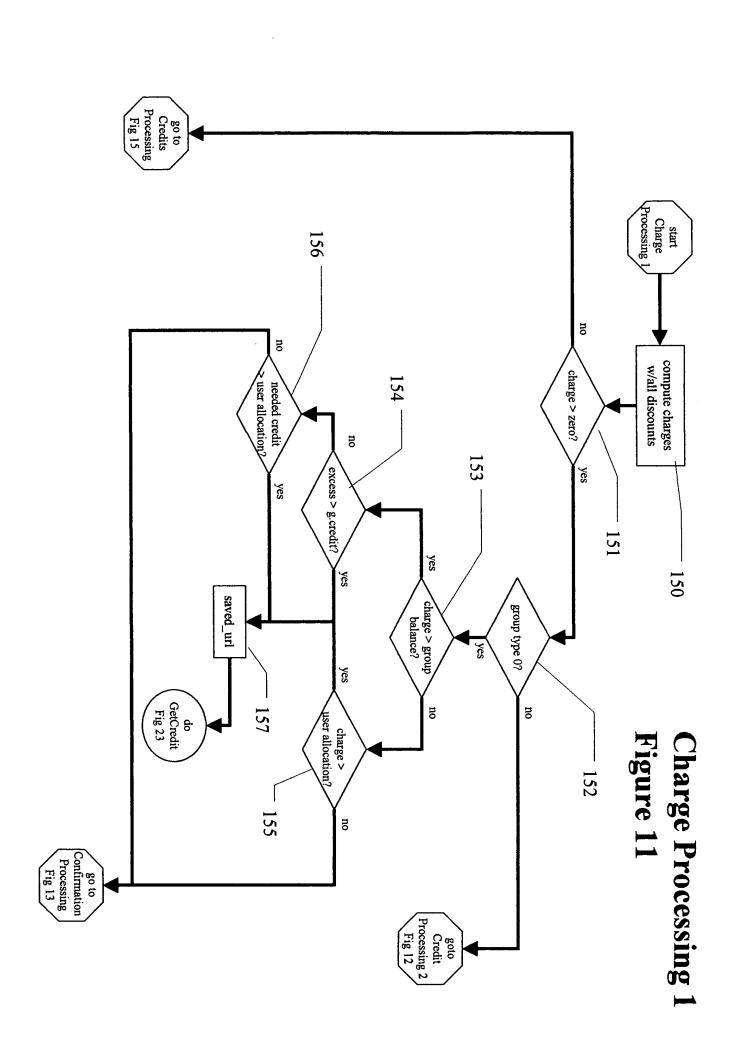


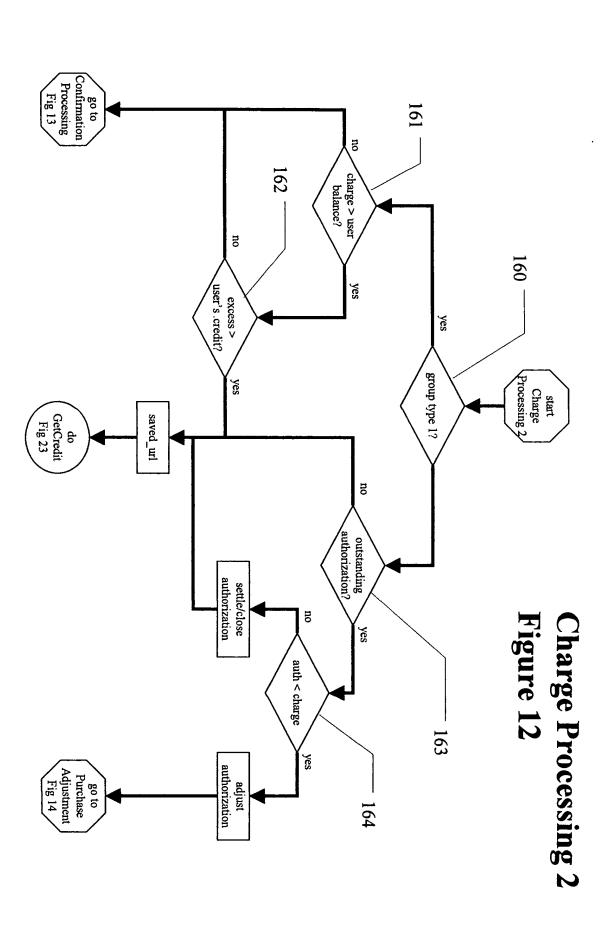
**Module Processing Figure 8** 

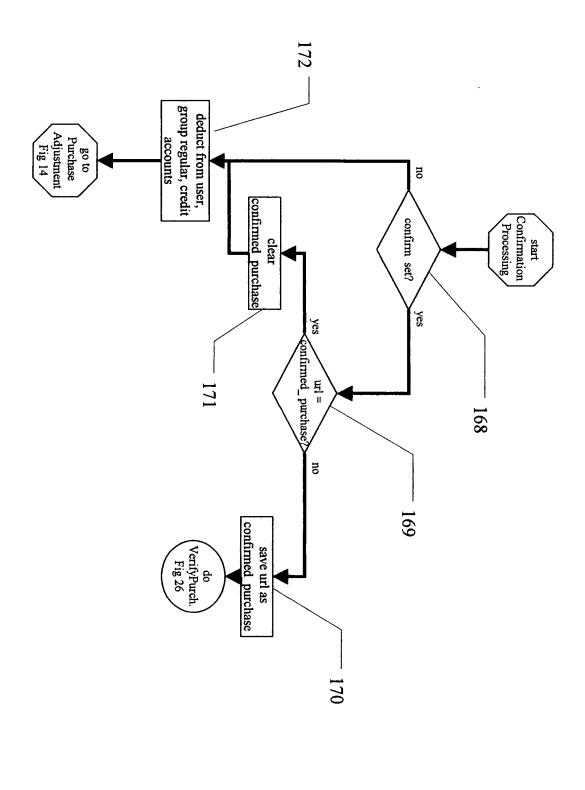




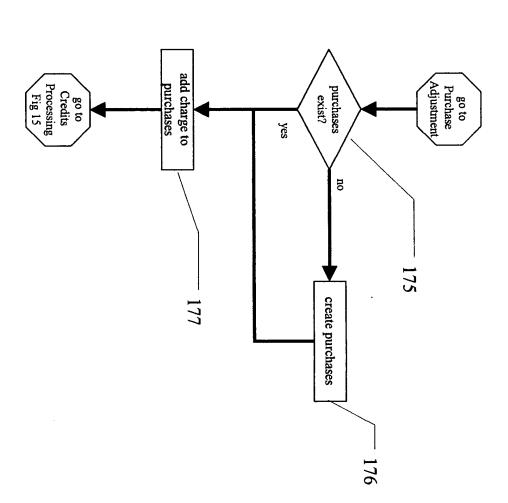
Secure Mode Processing Figure 10



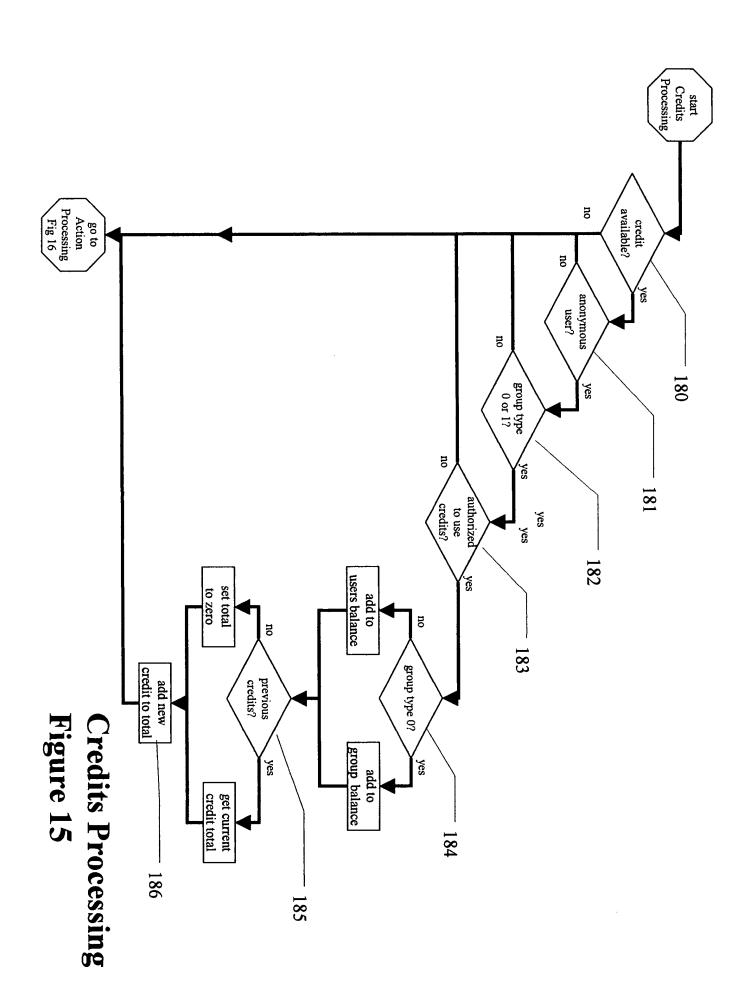


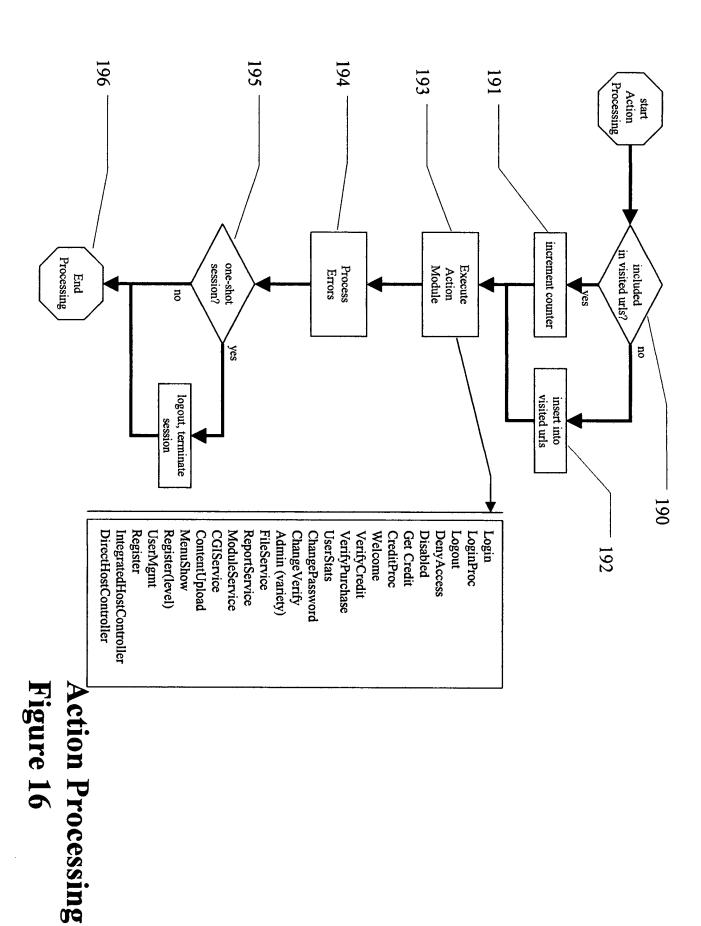


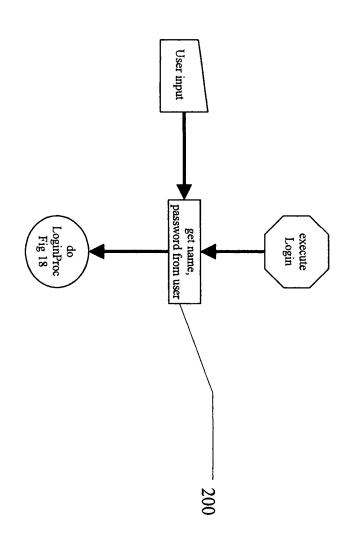
Confirmation Processing Figure 13



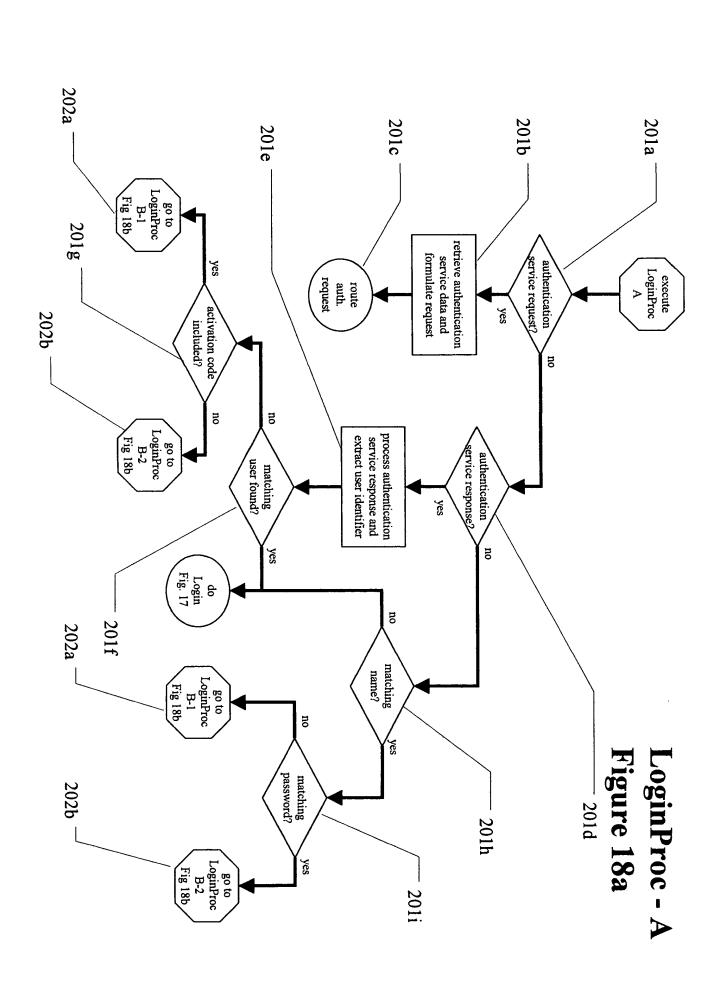
Purchase Adjustment Figure 14

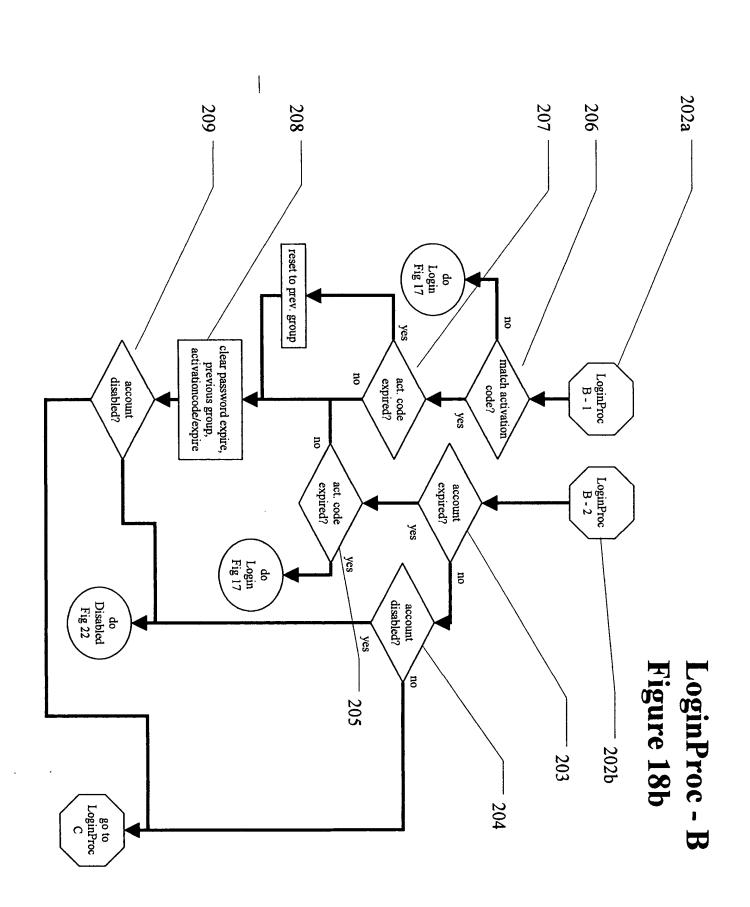


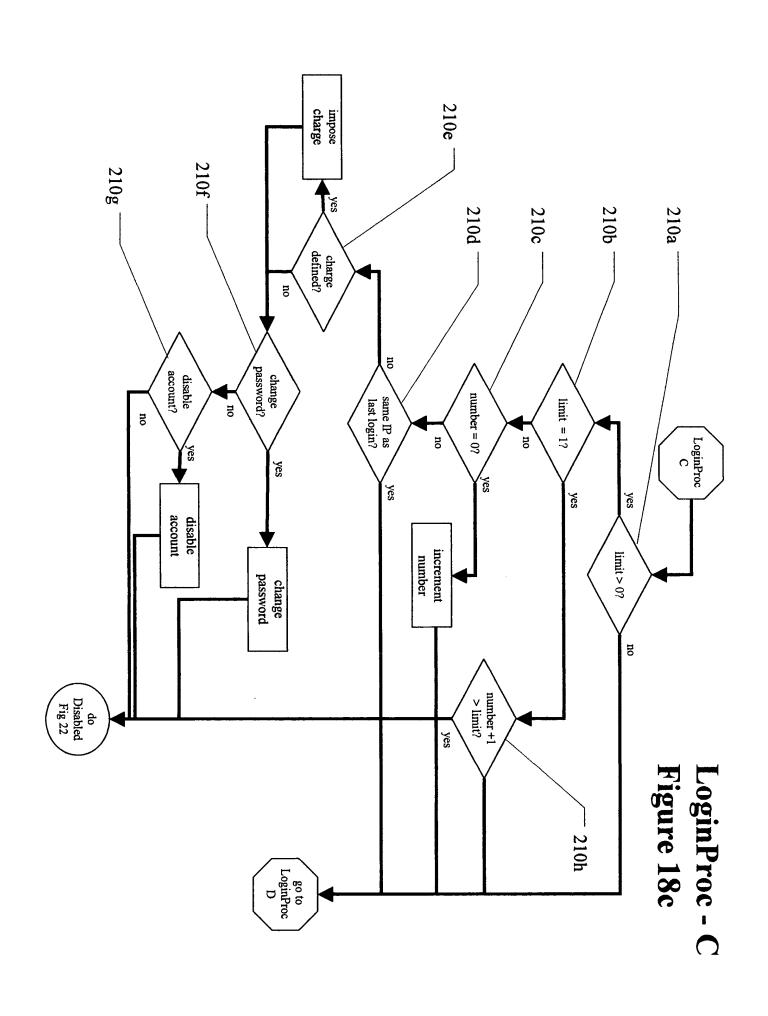




#### Login Figure 17

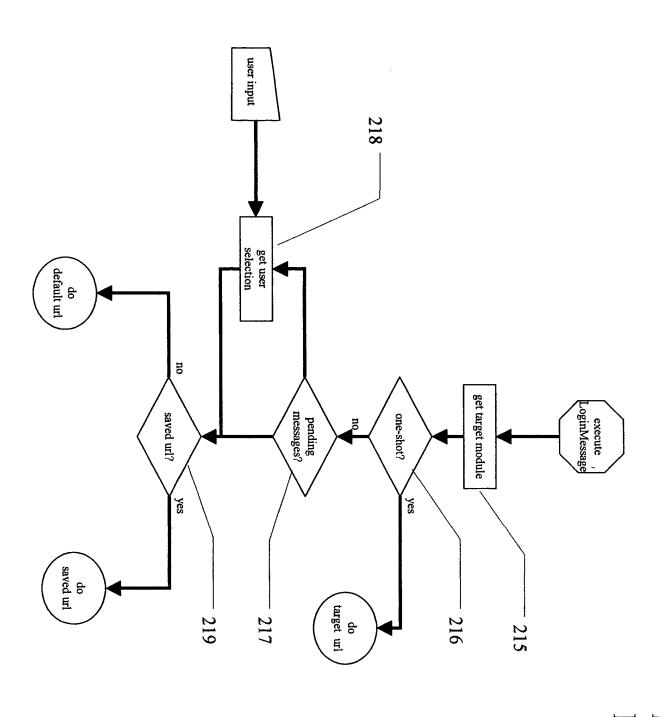




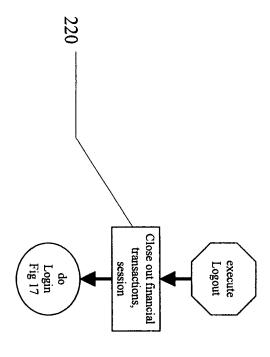


212 210 213 disable account within grace period? current in payments? recurring payment? LoginProc D do Disabled Fig 22 yes no no yes yes LoginMessage Fig 19 set expire to false 214

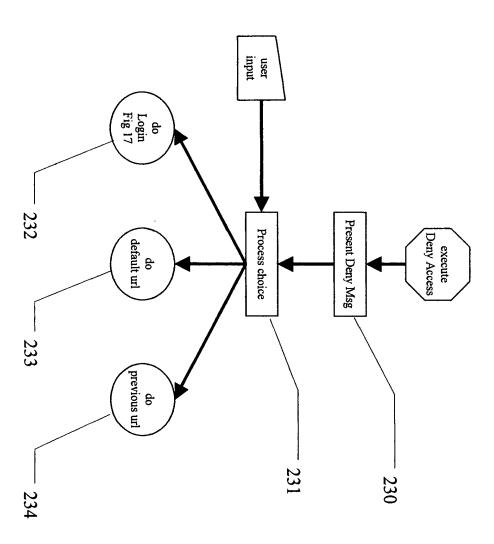
### LoginProc - D Figure 18d



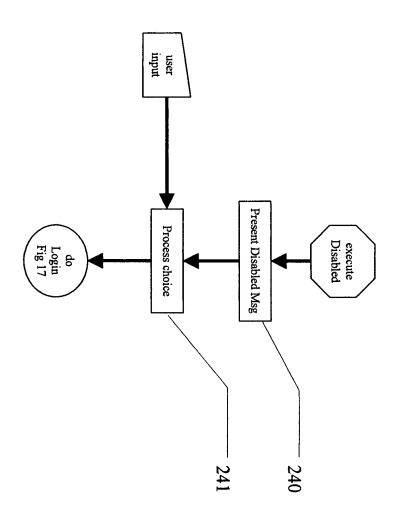
## LoginMessage Figure 19



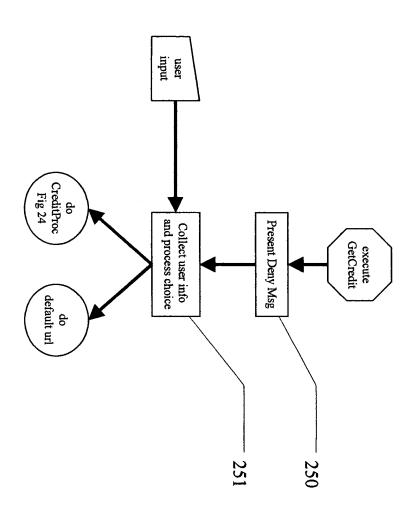
#### Logout Figure 20



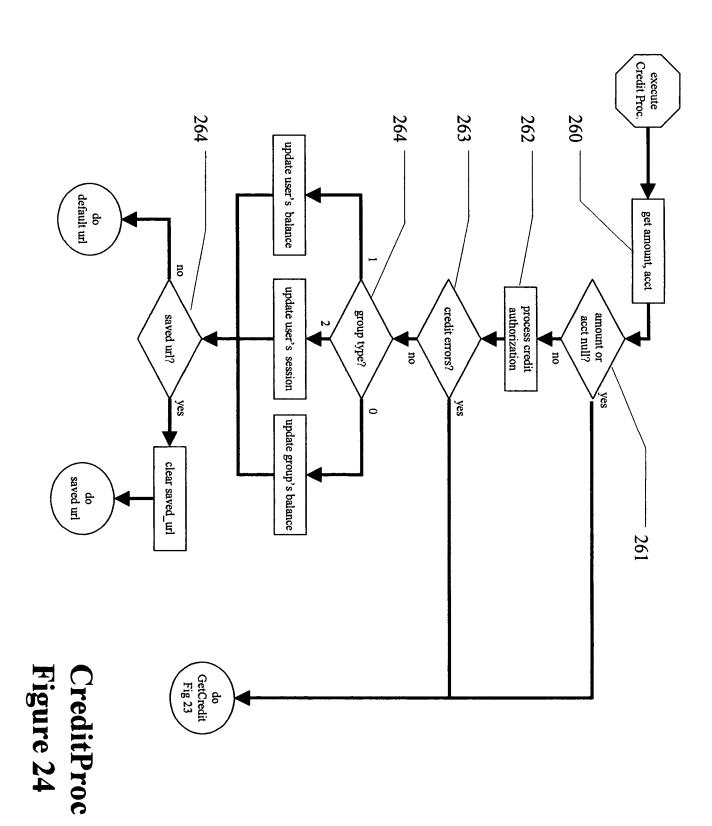
Deny Access Figure 21

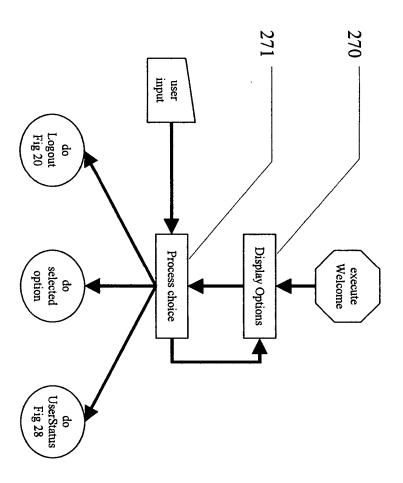


## Disabled Figure 22

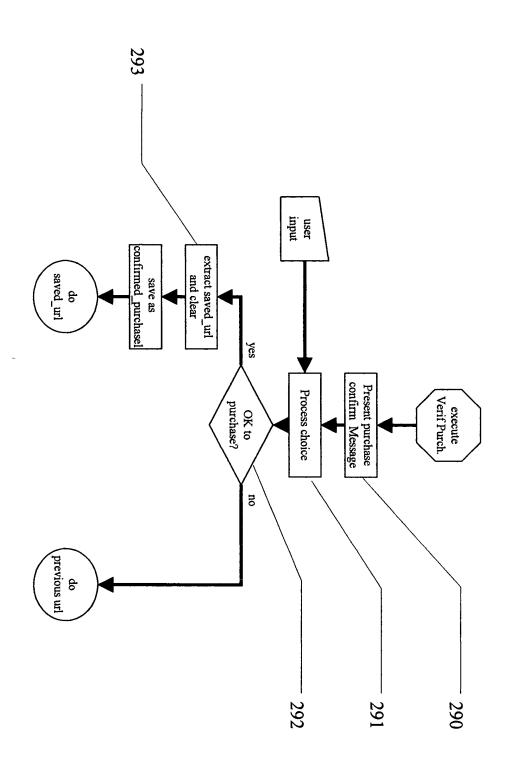


GetCredit Figure 23

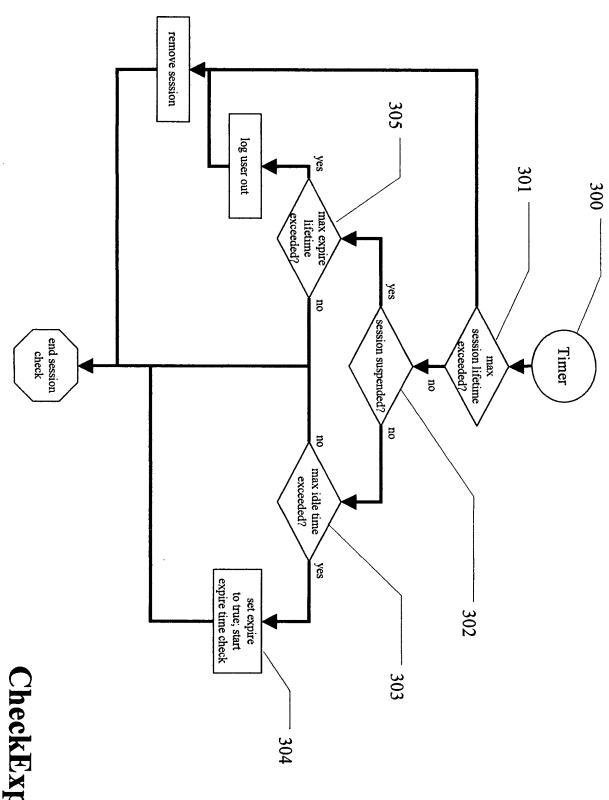




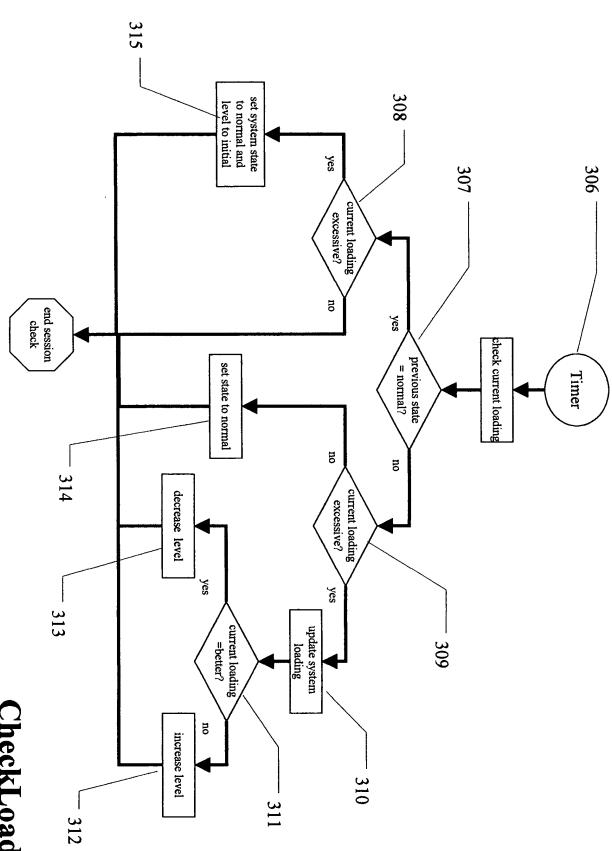
Welcome Figure 25



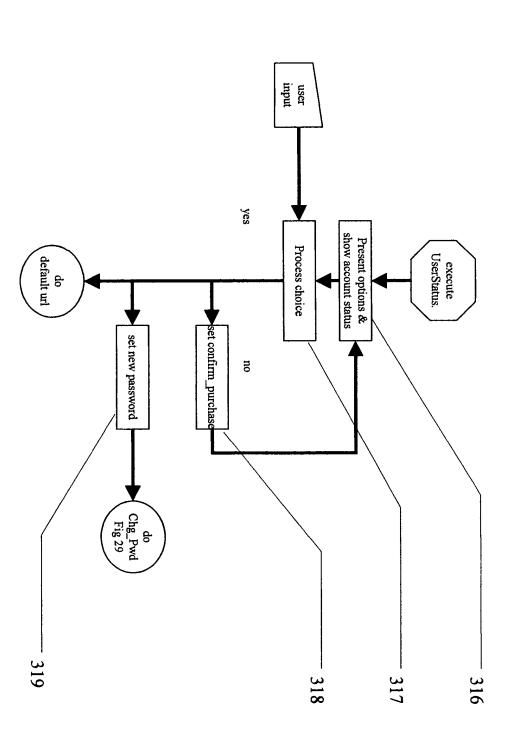
VerifyPurchase Figure 26



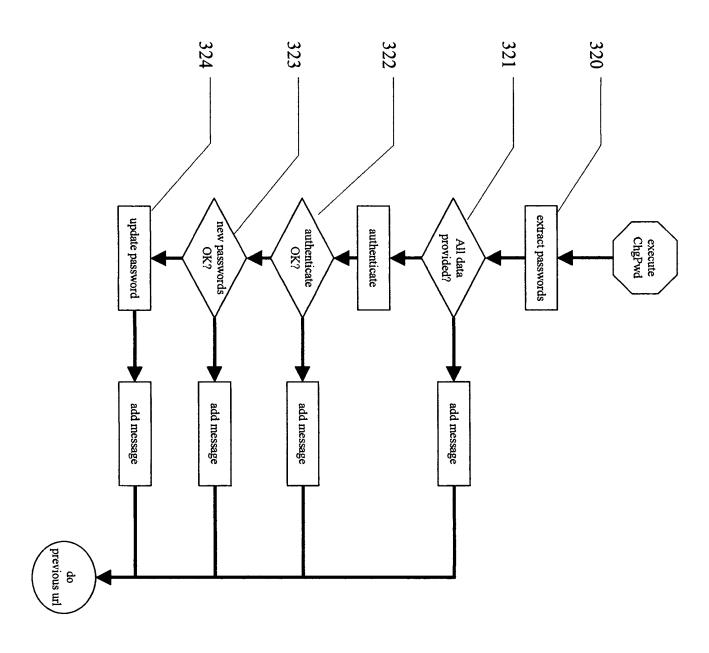
CheckExpire Figure 27a



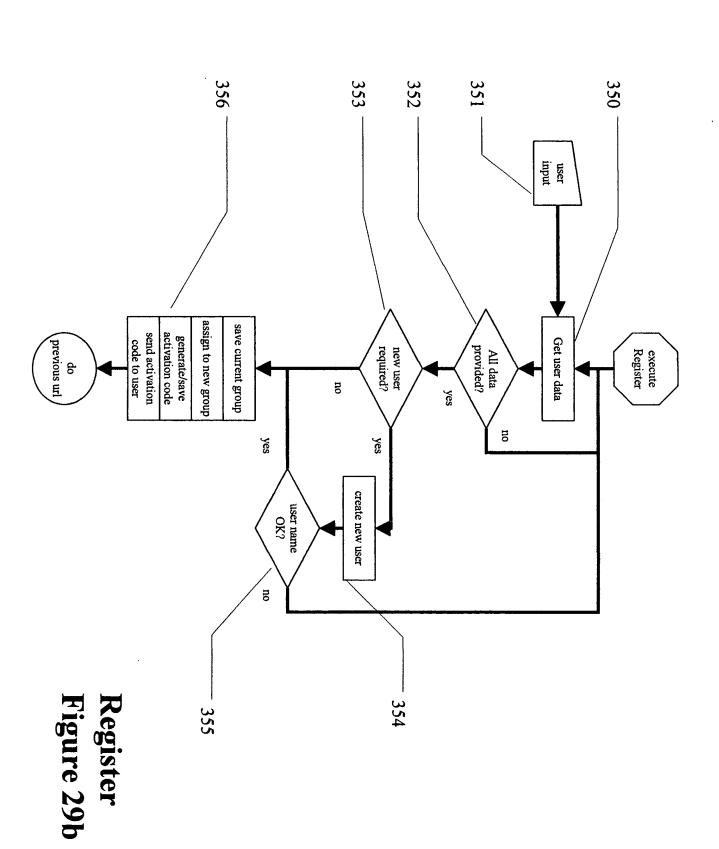
CheckLoad Figure 27b

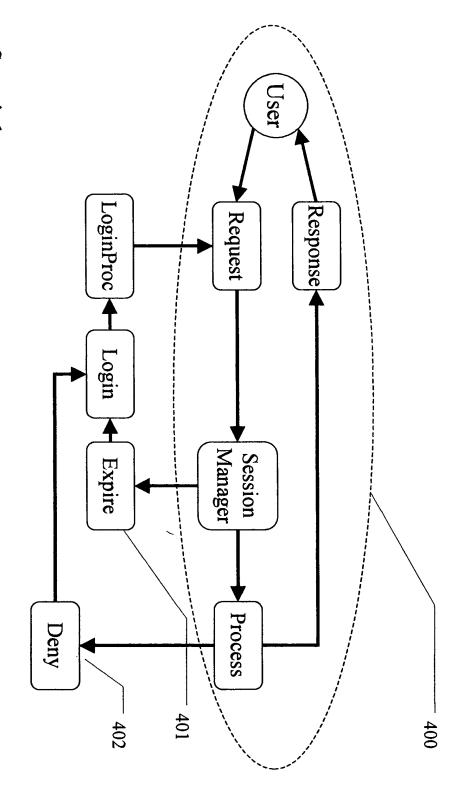


UserStatus Figure 28



ChgPwd Figure 29a





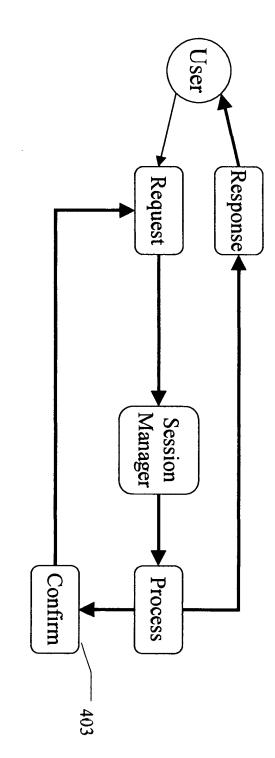
# Scenario 1:

- •session exists but expired •request saved
- •reauthorization allowed

## Scenario 2:

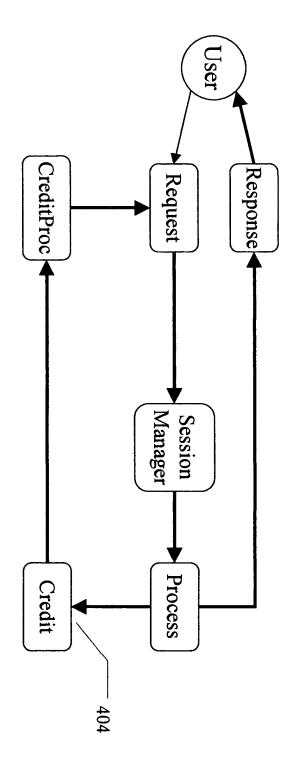
- access denied
- request saved
- reauthorization allowed

Deny/Expire Scenario Figure 30



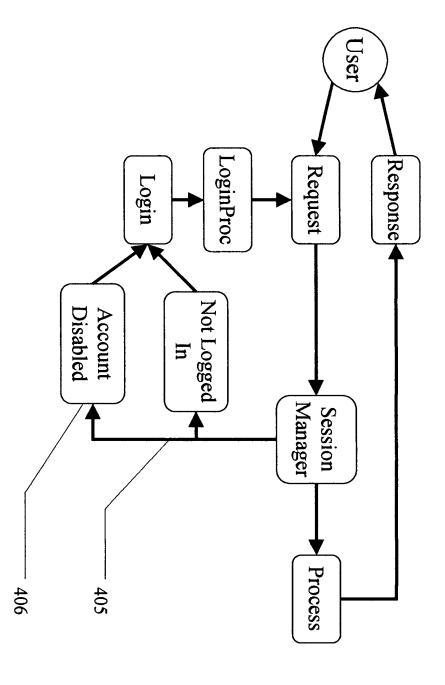
- confirmation active
- •request not yet confirmed •request saved
- confirmation requested

Scenario Figure 31 Confirm



- access grantedcharge > \$0
- •insufficient balance/credit
- request saved
- additional funds requested

Get Credit Scenario Figure 32



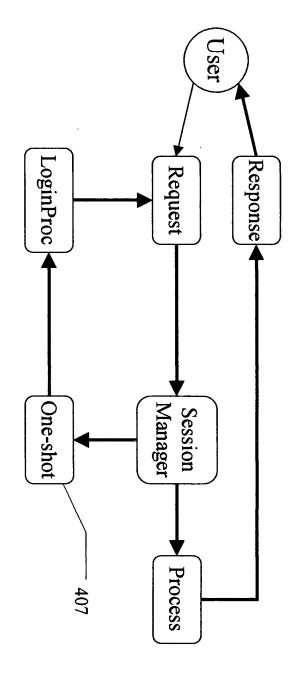
## Scenario 1:

- •automatic anonymous identity disabled
- •initial user request
- login option presented

### Scenario 2:

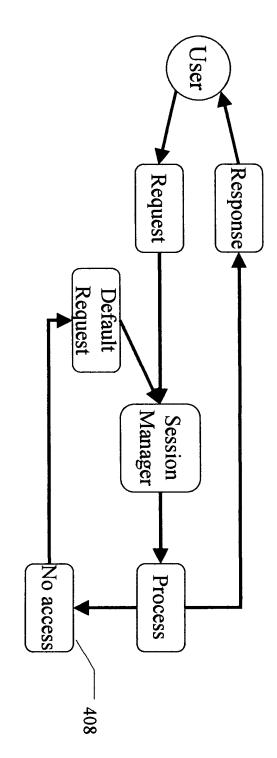
- account disabled
- •re-authentication option presented

Disabled Scenario Figure 33



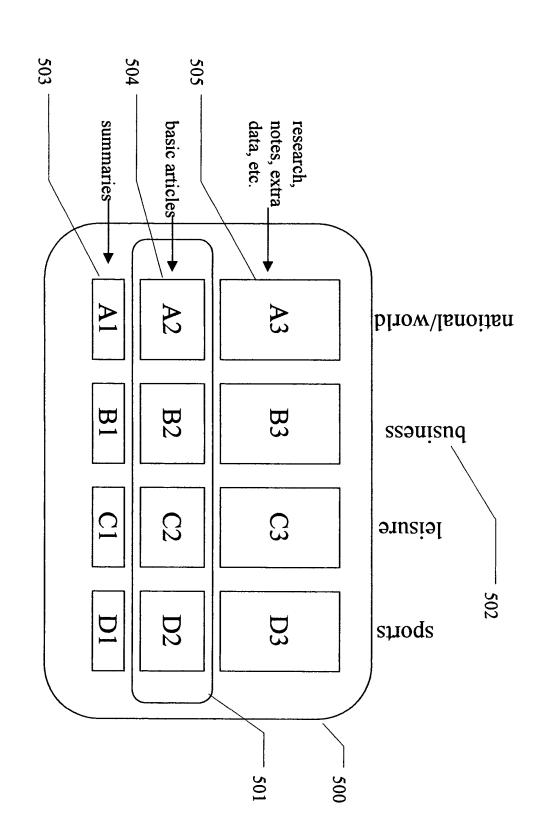
- •request includes credentials
- •request extracted, saved
- •credentials processed for login

'One-Shot' Scenario Figure 34

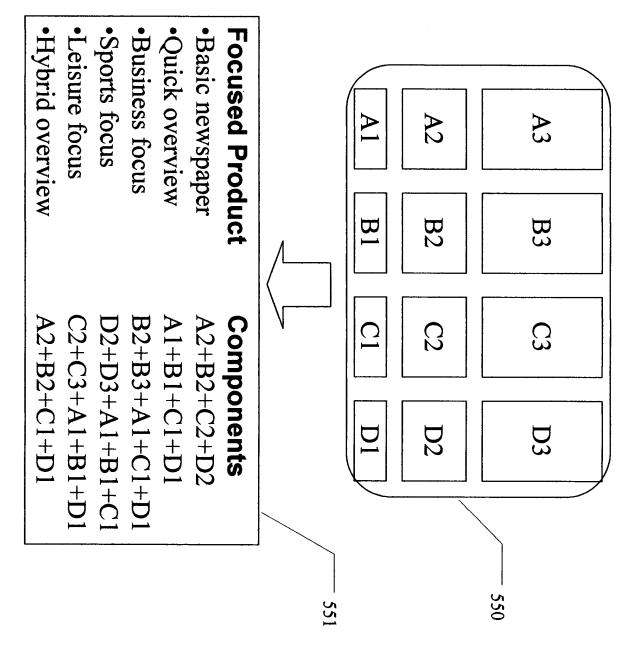


access not defined, and secure mode active
 resubmit as default request

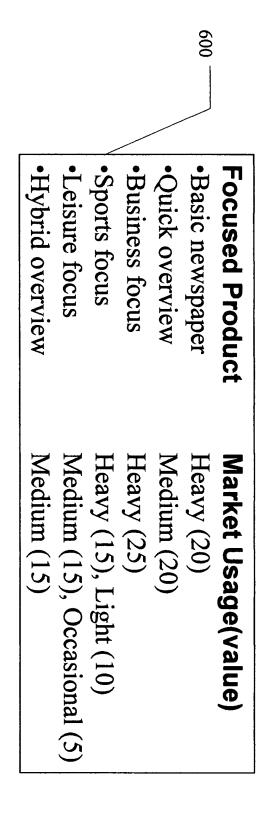
No Access Scenario Figure 35



Newspaper Content Example Figure 36



Focused Product Example
Figure 37



Frequency	Class	Fixed	Incr.
30/month	Heavy	100%	0%
 20/month	Medium	50%	50%
10/month	Light	25%	75%
5/month	Occasional	0%	100%

601

Example Market Segments
Figure 38